

JOHN A. WILSON,  
Civil Engineer.

JOS. M. WILSON,  
Civil Engineer & Arch<sup>t</sup>

FRED. G. THORN,  
Architect.

HENRY W. WILSON,  
Civil Engineer.

CHARLES G. DARRACH,  
Civil & Hydraulic Engineer.

HENRY A. MACOMB,  
Architect.

# Wilson Brothers & Co.

## Civil Engineers and Architects,

No. 435 Chestnut St.  
Philadelphia, Pa. Aug. 17th, 1887.

Hon. Daniel M. Fox,

Supt., U. S. Mint,

Sir:

Since writing you last, we have been studying the question as how best to relieve the slight vibration <sup>in</sup> from the Coining Room produced by the gearing which communicates the power from the engines to the main shaft driving the Coining Room. As I wrote you before, this vibration is exceedingly slight, and in one case out of a thousand, would not be noticeable, nor would it produce any injurious or disagreeable effects.

You have instructed us, however, that the weighing machines must be operated in their present location, and this slight vibration must be prevented. The problem has been an exceedingly difficult one, and has taxed the ingenuity of both Wm. Sellers & Co. and ourselves to the utmost.

Enclosed you will find a communication from Wm. Sellers & Co., Incorporated, received this moment, in which they state that if you direct this change to be made, the cost exclusive of the belts required, will be ,----- \$745.

and that if the orders are given to do the work, it can be

(D. M. F. 2)

be finished by the latter part of next week; that is, in say, ten days. They also state that the main part of the work would be erected whilst the Mint is in operation, but the final work of removing the shafts and placing new ones would be done on Saturday night and Sunday.

Also enclosed, please find a blue print showing the proposed change.

I find that a close approximation makes the amount of money due McCaul after having finished his work to be, \$19,900.00

Boiler Contracts,----- 14,900.00

Two new engines and exhaust pipes,----- 8,880.86

Shafting contract,----- 7,395.00  
----- \$51,075.86

Engineer's fees on original appropriation,----- 2,601.87  
----- \$53,677.73

Original Appropriation,----- 54,639.20  
Balance,----- \$961.47

Deduct for change in Shafting contract,----- 745.00  
----- \$216.47

Deduct Engineer's fees on 50 Horse power engine, ----- 120.00  
Leaving balance of ----- \$ 96.47

We do not know whether you propose to pay our fees on the 50 Horse power engine from this appropriation or from other moneys which you have in hand, nor do we know of the amount of money which you may have expended from this appropriation for Incidental matters, of which we have not been notified.

(D. M. F. 3)

The cost for belts required for this work we presume will be provided as was all the new belting under the Shafting contract, from your stock.

In the item for new engines and exhaust pipes noted above, the contract price for the new engines was \$8,218. The \$662.86 additional, is for exhaust pipes and exhaust head from the engines to the top of the Mint building. This pipe will be utilized hereafter for the main heating pipe of the building, and although it was necessary for the proper exit of exhaust steam from the engines, it will be used hereafter in connection with heating the building as mentioned. It might, therefore, be proper to charge a portion of this to the item of Betterments to the building, say \$300.

Inasmuch as the contract provides that orders for a change in the work as specified should come from the Superintendent of the Mint, we do not feel at liberty to order this work done without your advice.

Hoping to hear from you at an early date, we remain,

Very respectfully,

*Wilson Thos & Co*

(COPY)

RG104 E-1 Box 147

WILLIAM SELLERS & CO., Incorporated.

Philadelphia, Aug. 17th, 1887.

Messrs. Wilson Bros. & Co.  
435 Chestnut St., Phila.

Gentlemen:

We enclose you a blue print showing the proposed arrangement for driving the Coining Room Shafting in U. S. Mint, this city, by means of belting. Since the drawing was made we have concluded that it would be as well to dispense with the Countershhaft A. and drive the shaft B. direct from the main shaft by moving the pulley C. to place marked D. We would then use a 6 inch cross belt on to the pulley on shaft B. which will give the proper speed and direction for shaft.

Our price for this re-arrangement of work including the Shafting, cutting and facing of walls, removing of the work not required and the erecting of the new work complete, except belts, will be Seven hundred and forty-five dollars, (\$745.)

This price is based upon the condition that we are to have returned to us such parts of the present work as are not required in this arrangement. If new 18 inch and 16 inch Double Belts are wanted, our price for the same made endless in position will be Two hundred and five dollars (\$205.)

We think this work could be pushed forward so as to be finished the last of next week. The man part of the work would be erected whilst the Mint is in operation, but the final work of removing the shafts and placing in the new ones could be done on Saturday night and Sunday.

Hoping this will be satisfactory, we remain  
Yours truly,

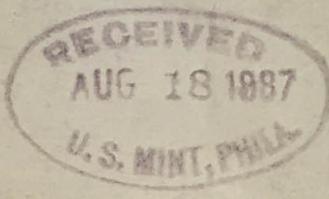
Wm. Sellers & Co. Incorporated,  
(Signed) by Horace W. Sellers

Wilson, Pro. H.C.  
Aug 17/87

Relative to vibration in  
Carrying Room. Enclose  
copy of Letter from Wm  
Sellers & Co.

Recd

Aug 18. 1887.



[Abstract:] Relative to vibration in Coining Room...

Wilson Brothers & Co.  
Civil Engineers and Architects,  
Philadelphia, Pa.,  
August 17, 1887

Hon. Daniel M. Fox,  
Supt., U.S. Mint,

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Inasmuch as the contract provides that orders for a change in the work as specified should come from the Superintendent of the Mint, we do not feel at liberty to order this work done without your advice.

Hoping to hear from you at an early date, we remain,  
Very respectfully,  
Wilson Bro. & Co.

[Enclosed letter:]

(COPY)

William Sellers & Co., Incorporated.  
Philadelphia,  
August 17, 1887

Messrs. Wilson Bros. & Co.  
435 Chestnut St., Phila.

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Hoping this will be satisfactory, we remain

Yours truly,  
Wm. Sellers & Co. Incorporated,  
(Signed) by Horace W. Sellers